**Junior Cert Science chapters**

**Biology**

|  |  |  |  |
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|  | **First Year** | **Second Year** | **Third Year** |
|  | Living Things |  |  |
|  | Cells and the Microscope |  |  |
|  | Food |  |  |
|  |  |  |  |
|  | The Skeleton and Movement |  |  |
|  | The Digestive System |  |  |
|  | Structure and Transport in Plants |  |  |
|  |  | Respiration |  |
|  |  | The Senses and Nervous System |  |
|  |  |  |  |
|  |  | The Circulation System |  |
|  |  | Ecology |  |
|  |  | Biotechnology and Microorganisms |  |
|  |  |   | Photosynthesis and Plant Responses |
|  |  |  | Human Reproduction |
|  |  |  | Genetics |
|  |  |  |  |
|  |  |  | Excretion |
|  |  |  | Plant Reproduction |

**Chemistry**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **First Year** | **Second Year** | **Third Year** |
|  | States of Matter |  |  |
|  | Solutions |  |  |
|  |  |  |  |
|  | Separating Mixtures |  |  |
|  | Acids and Bases Part (i) |  |  |
|  | The Air and Oxygen |  |  |
|  |  | Carbon dioxide |  |
|  |  | Water |  |
|  |  |  |  |
|  |  | The Atom |  |
|  |  | The periodic table |  |
|  |  | Fossil Fuels, Hydrocarbons and Acid rain |  |
|  |  | Plastics |  |
|  |  |  | Acids and Bases Part (ii) |
|  |  |  | Elements, Compounds and Mixtures |
|  |  |  |  |
|  |  |  | Bonding |
|  |  |  | The Alkali Metals |
|  |  |  | Metals |

**Physics**

|  |  |  |  |
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|  | **First year** | **Second Year** | **Third Year** |
|  | Measurement in Science |  |  |
|  | Energy and Energy Conversions |  |  |
|  | Magnetism |  |  |
|  |  |  |  |
|  | Light |  |  |
|  | Pressure |  |  |
|  |  | Heat  |  |
|  |  | Sound |  |
|  |  |  |  |
|  |  | Density and Flotation |  |
|  |  | Force, Work and Power |  |
|  |  | Centre of Gravity |  |
|  |  | Moments |  |
|  |  | Static Electricity |  |
|  |  |  | Current Electricity |
|  |  |  | Electricity in the Home |
|  |  |  |  |
|  |  |  | Electronics |
|  |  |  | Velocity and Acceleration |